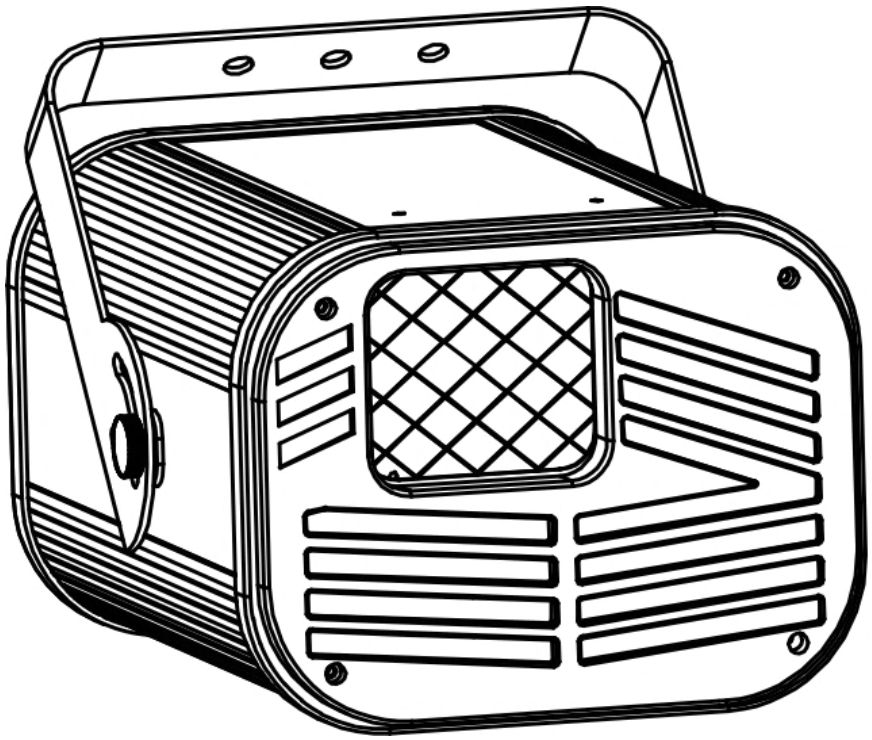
VIKING
STAGE LIGHTING

WARRIOR VK132-2R™

Instruction Manual



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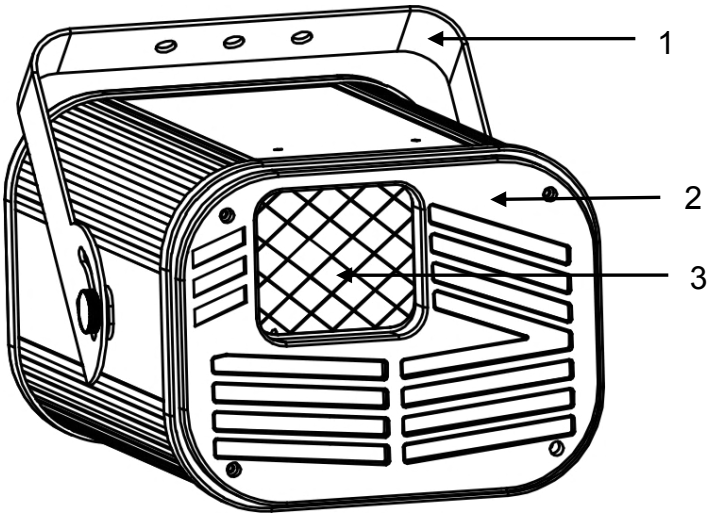
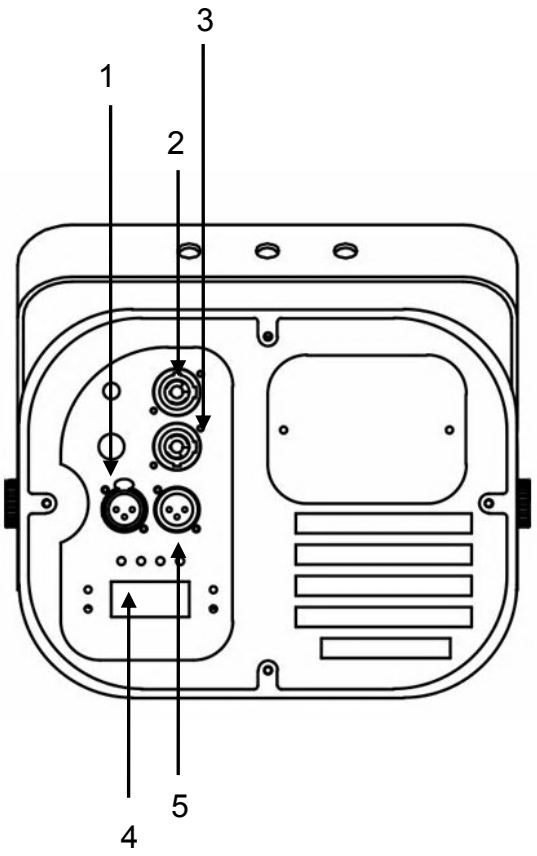
1. Description of Device

1. Arm
2. Body
3. Lens





1. DMX-Output (3 pin)
2. Power Out
3. Power In
4. LCD display
5. DMX-Input (3 pin)

2. Safety Instructions

The light is a High-Tech Product. To guarantee a smooth operation, it is necessary to respect the following rules. The manufacturer of this device will not take responsibility for damages through any disregard of the information provided in this manual. Warranty claims also will be voided in the case that the fixture housing is opened.

- Before powering on the fixture, make sure that the fixtures fans and air inlets are clean and not blocked.
- Ensure that the fixture head can rotate unhindered throughout its complete range of pan and tilt movement. A safety distance of at least 0.5 m must be maintained between the fixture and any easily inflammable material (e.g. decoration material).
- **Attention!** Don't touch the fixture during the operation. This can cause injuries and/or damages.
- **The fixture doesn't contain any user serviceable parts. Opening the fixture will void all warranties.**
- It is necessary to wait at least 15 minutes after disconnecting the mains power before handling the fixture.. Pay attention to possible hot parts of the fixture. **-- Danger of BURNING --**
- **Never look directly into the beam of light .**
- Never use optical apertures to observe the beam of light.
- You'll risk serious injury of your eyes and in particular of your retina.

Attention: Class 2M can cause injuries of your eyes even without optical instruments in front of them or within a distance of less than 0.5m and short exposure time.
Hence: Avoid direct radiation into your eyes!

- To ensure safe operation, follow also the Installation guide.
- Operating the light without suitable safety aids like Safety cables or clamps/hooks can increase the risk of an accident and must be avoided.
- Repair, maintenance, and installation work shall be done by qualified or certified staff only. You need to pay attention to the common rules of technology that are not explicitly mentioned in this manual.
- Use only original spare parts. Any structural modification of the system will terminate all warranty claims.
- Please keep this instruction manual for future reference.

3. Preparation and Connections

3.1. Safety information

The light fixtures is fitted with a number of plano-convex lenses in a highly efficient collimator cluster. This type of lens can act as a strong magnifying glass.

If the rays from a strong light source (such as the sun or another lighting fixture) are directed towards the front of any of these fixtures, then internal damage may occur. In a worst case scenario with a high power light source this can happen very quickly, damaging the fixture internally, potentially melting components or causing an internal fire within seconds.

In order to avoid these possible problems please adhere to the following requirements:

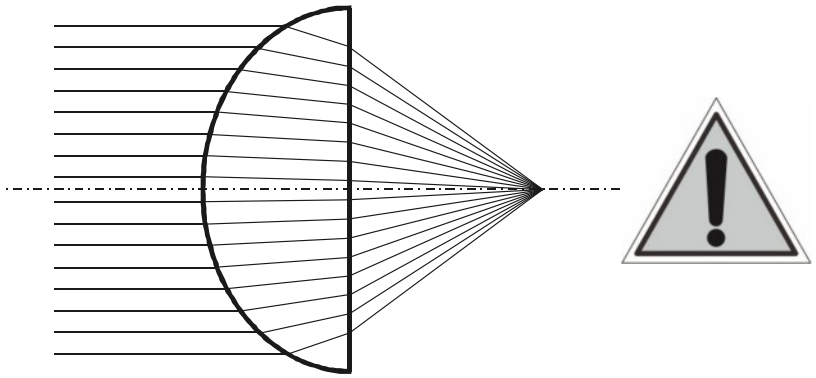
1 Do not expose the front of a fixture to direct sunlight or any other strong light sources.

2 For outdoor applications during daylight make sure that the front face of any fixture is either shielded or points away from the sun, even when fixtures are not in use.

3 Do not modify the front glass or lenses of any fixture.

These requirements have to be followed regardless of whether a fixture is powered on or off as the magnifying effect is an optical effect and therefore independent from the (electrical) state of the fixture.

Especially when working with high powered **beam-lights**; extreme caution and observance of these safety instructions is mandatory.



Should you have any questions about the operation of your fixture then please contact your local supplier, or Viking Lighting directly.

3.2. Connections

- *Power Supply*

  ~100-240 Volt AC, 50-60 Hz, earth contact type plug - Powercon

  Connected load 350 VA (W) <=> T6.3A (micro-fuse 5x20mm)

  Please see printing on the case for the right electronic supply!

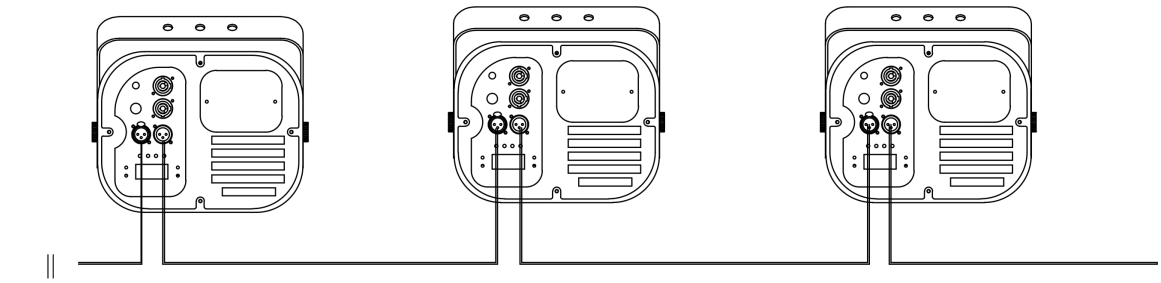
  Disconnect from the mains supply for changing the fuse and use only the above described micro-fuse type.

- *DMX*

  USITT DMX-512 Standard input/output in 3 pin XLR

  connectors. Pin 1 = [Ground] / Pin 2 = [-] / Pin 3 = [+]

  The DMX- Addressing starts at the DMX Address [001].

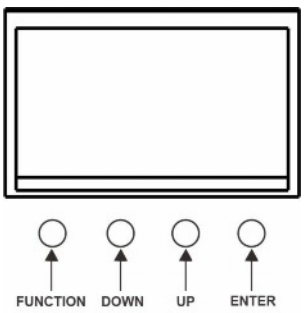


120 Ohms

DMX512
DMX-controller

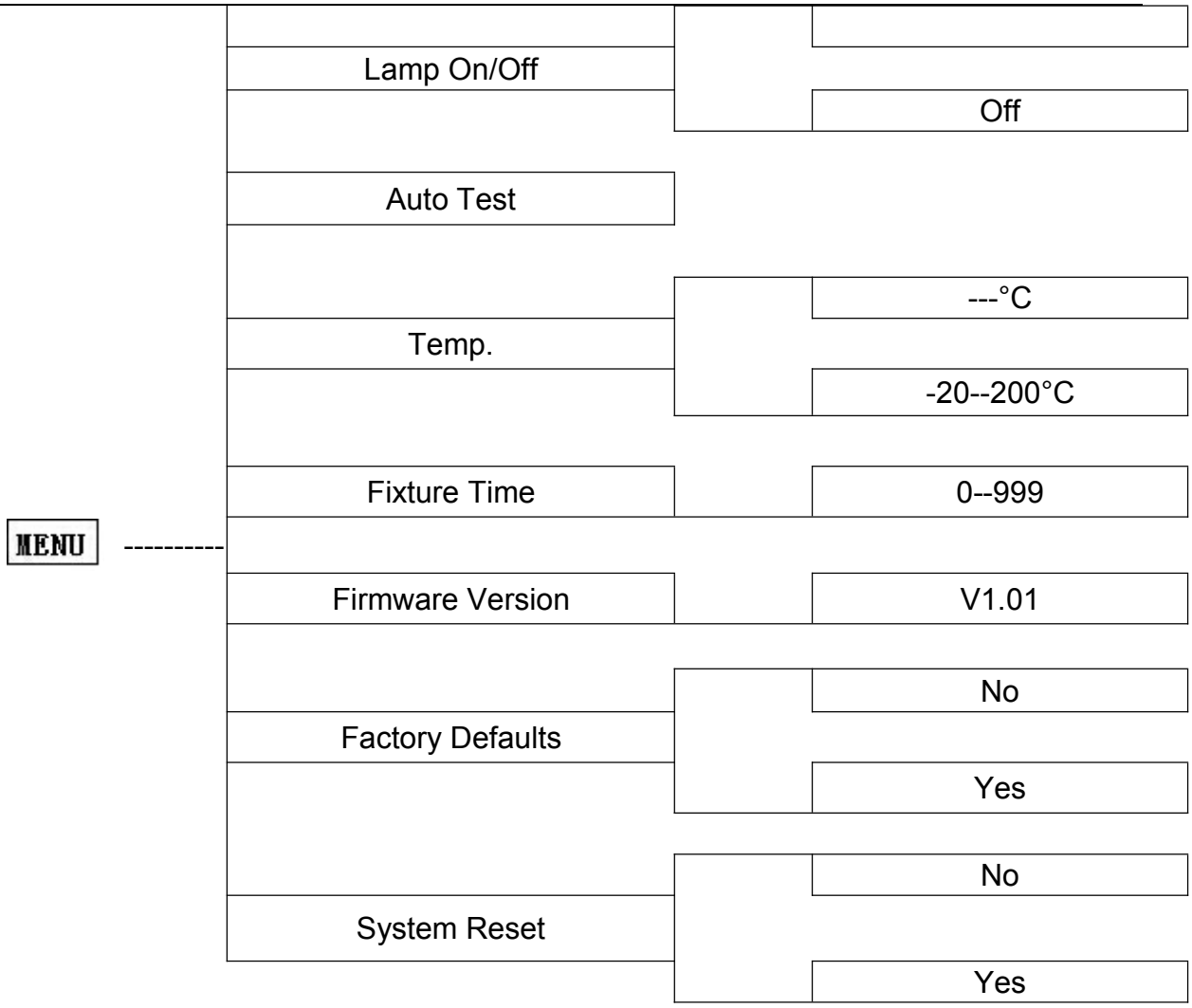
4. The Menu Field

You'll find the control board on the side part of the bottom. It allows you to make all necessary adjustments of the light. With the **Enter-**key you get into the main menu. Afterwards you can navigate through the menu with the **Up/Down-**keys. Push the **Enter-**key to get in the next menu level or to confirm your settings. Make them and set functions **ON/OFF** with the **Up/Down-**keys. Confirm and save it with the **Enter-**key. Push the **Function-**key to cancel the entry and go back to the main menu.



To lock or unlock the keys of the menu field press Mode+Enter+Up simultaneously.

5. Operation Instruction


MENU
Lamp On/Off
Off
Auto Test
---°C
Temp.
-20--200°C
Fixture Time
0--999
Firmware Version
V1.01
No
Factory Defaults
Yes
No
System Reset
Yes

6. DMX Channel Selection (DMX Protocol)

Standard-Mode 17 DMX channels

Channel	DMX Value		
1		**Pan Movement**	Pan
	0-127	Pan Movement	
	128-255	Pan Shaking Movement Slow - Fast	
2		**Tilt Movement**	Tilt
	0-127	Tilt Movement	
	128-255	Tilt Shaking Movement Slow - Fast	
3		**Colour**	Colour
	0-2	Open	
	3-4	Open & Light Red	
	5-6	Colour 1 - Light Red	
	7-9	Light Red & Blue	
	10-11	Colour 2 - Blue	
	12-13	Blue & Green	
	14-15	Colour 3 - Green	
	16-18	Green & Yellow	
	19-20	Colour 4 - Yellow	
	21-22	Yellow & Orange	
	23-24	Colour 5 - Orange	
	25-27	Orange & Magenta	
	28-29	Colour 6 - Magenta	
	30-31	Magenta & Lavender	
	32-33	Colour 7 - Lavender	
	34-36	Lavender & Light Pink	
	37-38	Colour 8 - Light Pink	
	39-40	Light Pink & Yellow Green	
	41-43	Colour 9 - Yellow Green	
	44-45	Yellow Green & Peacock Blue	
	46-47	Colour 10 - Peacock Blue	
	48-49	Peacock Blue & Medium Pink	
	50-52	Colour 11 - Medium Pink	
	53-54	Medium Pink & Medium Purple	
	55-56	Colour 12 - Medium Purple	
	57-58	Medium Purple & Pineapple Yellow	
	59-61	Colour 13 - Pineapple Yellow	
	62-63	Pineapple Yellow & |Congo Blue	
	64-65	Colour 14 - Congo Blue	
	66-67	Congo Blue & Open	
	68-128	Colour Wheel Index Colour 1 to 14	
	129-190	Clockwise Rotation Fast - Slow	
	191-193	No Function - Stop	
	194-255	Anticlockwise Rotation Slow - Fast	

Channel	DMX Value		
4		Gobo	Gobo
	0-7	Open	
	8-14	Gobo 1 Large Hole	
	15-22	Gobo 2 Small Hole	
	23-29	**Gobo 3 2 Holes**	
	30-37	Gobo 4 3 Holes in line	
	38-44	Gobo 5 4 Holes in Square	
	45-52	Gobo 6 Circle of Holes	
	53-59	Gobo 7 Multiple Holes	
	60-67	Gobo 8 Laser Line	
	68-74	Gobo 9 Dotted Laser Line	
	75-82	Gobo 10 Laser Cross	
	83-89	Gobo 11 Square	
	90-97	Gobo 12 Cloud	
	98-104	Gobo 13 Bent Tadpoles	
	105-112	Gobo 14 Circle in Segments	
	113-119	Gobo 15 Star	
	120-126	Gobo 16 Multiple Stars	
	127-133	Gobo 17 Tadpoles	
	134-194	Gobo Wheel Rotation Fast - Slow	
	195-255	Gobo Wheel Anticlockwise Rotation Slow - Fast	
5		**Pattern Macro**	Pattern Macros
	0-8	No Function	
	9-16	Pattern Macro 1	
	17-25	Pattern Macro 2	
	26-33	Pattern Macro 3	
	34-42	Pattern Macro 4	
	43-50	Pattern Macro 5	
	51-59	Pattern Macro 6	
	60-67	Pattern Macro 7	
	68-76	Pattern Macro 8	
	77-84	Pattern Macro 9	
	85-93	Pattern Macro 10	
	94-101	Pattern Macro 11	
	102-110	Pattern Macro 12	
	111-118	Pattern Macro 13	
	119-127	Pattern Macro 14	
	128-135	Pattern Macro 15	
	136-144	Pattern Macro 16	
	145-152	Pattern Macro 17	
	153-161	Pattern Macro 18	
	162-169	Pattern Macro 19	
	170-178	Pattern Macro 20	

Channel	DMX Value		
	179-186	Pattern Macro 21	
	187-195	Pattern Macro 22	
	196-203	Pattern Macro 23	
	204-212	Pattern Macro 24	
	213-220	Pattern Macro 25	
	221-229	Pattern Macro 26	
	230-237	Pattern Macro 27	
	238-246	Pattern Macro 28	
	247-255	Pattern Macro 29	
6		**Pattern Rotation**	Pattern Rotation Clockwise & Anticlockwise
	0-9	No Function - Stop	
	10-120	Clockwise Pattern Rotation Fast - Slow	
	121-134	No Function - Stop	
	135-245	Anticlockwise Pattern Rotation Slow - Fast	
	246-255	No Function - Stop	
7		**Pattern Horizontal / Vertical Rotation**	Pattern Rotation Horizontal & Vertical
	0-9	No Function - Stop	
	10-120	Horizontal Pattern Rotation	
	121-134	No Function - Stop	
	135-245	Vertical Pattern Rotation	
	246-255	No Function - Stop	
8		**Pattern Zoom**	Pattern Zoom
	0-127	Pattern Zoom Manual	
	128-255	Pattern Zoom Slow - Fast	
9		**Pattern Horizontal Movement**	Pattern Movement Horizontal
	0-9	No Function - Stop	
	10-120	Horizontal Pattern Movement Left	
	121-144	No Function - Stop	
	145-255	Horizontal Pattern Movement Right	
10		**Pattern Vertical Movement**	Pattern Movement Vertical
	0-9	No Function - Stop	
	10-120	Vertical Pattern Movement Up	
	121-144	No Function - Stop	
	145-255	Vertical Pattern Movement Down	
11		**Beam Rotation**	Beam Rotation
	0-127	0 to 360 Degree	
	128-191	Clockwise Rotation Fast - Slow	
	192-255	Anticlockwise Rotation Slow - Fast	
12		**Beam Shaking**	Beam Shake
	0-7	No Function - Stop	
	8-255	Shaking Slow - Fast	
13	0-255	Prism Movement	Prism

Channel	DMX Value		
14		**Prism Rotation**	Prism Rotation
	0-127	Prism Indexing	
	128-191	Prism Clockwise Rotation Fast - Slow	
	192-255	Prism Anticlockwise Rotation Slow - Fast	
15	0-255	Dimmer Intensity 0 - 100%	Dimmer
16		**Shutter**	Shutter (Strobe)
	0-7	No Function	
	8-255	Shutter (Strobe) Slow - Fast	
17		**Functions**	Functions & Reset
	0-39	No Function	
	40-59	Lamp On	
	60-79	Lamp Off	
	80-89	All Motors Reset	
	90-99	Pan/Tilt Motors Reset	
	100-109	Colour Motor Reset	
	110-119	Gobo Motor Reset	
	120-129	Shutter & Dimmer Reset	
	130-139	Other Motors Reset	
	140-149	Enable Blackout while Pan/Tilt Movement	
	150-159	Disable Blackout while Pan/Tilt Movement	
	160-169	Enable Blackout while Colour Change	
	170-179	Disable Blackout while Colour Change	
	180-189	Enable Blackout while Gobo Change	
	190-199	Disable Blackout while Gobo Change	
	200-219	System Reset	
	220-255	No Function	

Advanced-Mode 21 DMX channels

Channel	DMX Value		
1	0-255	Pan Movement	Pan
2	0-255	Pan Movement Fine (16 bit)	Pan Fine
3	0-255	Tilt Movement	Tilt
4	0-255	Tilt Movement Fine (16 bit)	Tilt Fine
5		**Pan Shaking Movement**	Pan Shaking
	0-7	No Function	
	8-255	Pan Shaking Movement Slow - Fast	
6		**Tilt Shaking Movement**	Tilt Shaking
	0-7	No Function	
	8-255	Tilt Shaking Movement Slow - Fast	

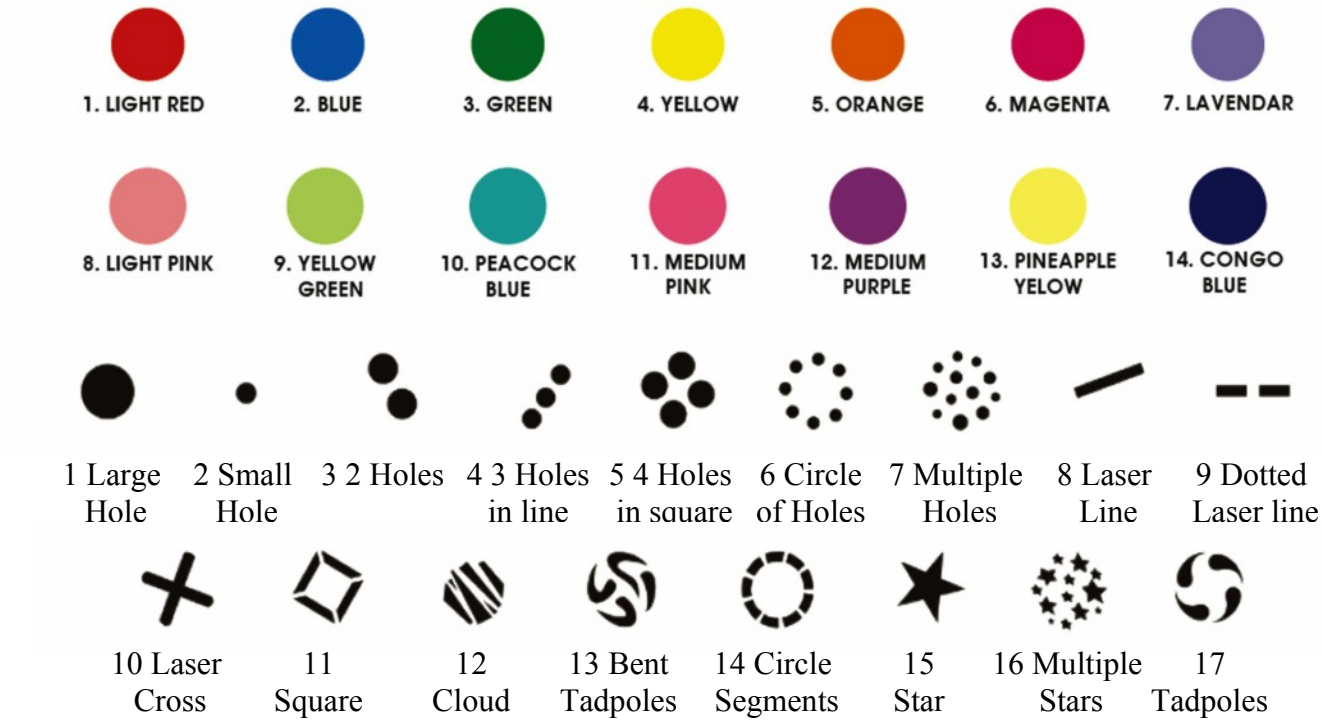
Channel	DMX Value		
7		**Colour**	Colour
	0-2	Open	
	3-4	Open & Light Red	
	5-6	Colour 1 - Light Red	
	7-9	Light Red & Blue	
	10-11	Colour 2 - Blue	
	12-13	Blue & Green	
	14-15	Colour 3 - Green	
	16-18	Green & Yellow	
	19-20	Colour 4 - Yellow	
	21-22	Yellow & Orange	
	23-24	Colour 5 - Orange	
	25-27	Orange & Magenta	
	28-29	Colour 6 - Magenta	
	30-31	Magenta & Lavender	
	32-33	Colour 7 - Lavender	
	34-36	Lavender & Light Pink	
	37-38	Colour 8 - Light Pink	
	39-40	Light Pink & Yellow Green	
	41-43	Colour 9 - Yellow Green	
	44-45	Yellow Green & Peacock Blue	
	46-47	Colour 10 - Peacock Blue	
	48-49	Peacock Blue & Medium Pink	
	50-52	Colour 11 - Medium Pink	
	53-54	Medium Pink & Medium Purple	
	55-56	Colour 12 - Medium Purple	
	57-58	Medium Purple & Pineapple Yellow	
	59-61	Colour 13 - Pineapple Yellow	
	62-63	Pineapple Yellow & |Congo Blue	
	64-65	Colour 14 - Congo Blue	
	66-67	Congo Blue & Open	
	68-128	Colour Wheel Index Colour 1 to 14	
	129-190	Clockwise Rotation Fast - Slow	
	191-193	No Function - Stop	
	194-255	Anticlockwise Rotation Slow - Fast	

Channel	DMX Value		
8		Gobo	Gobo
	0-7	Open	
	8-14	Gobo 1 Large Hole	
	15-22	Gobo 2 Small Hole	
	23-29	Gobo 3 2 Holes	
	30-37	Gobo 4 3 Holes in line	
	38-44	Gobo 5 4 Holes in Square	
	45-52	Gobo 6 Circle of Holes	
	53-59	Gobo 7 Multiple Holes	
	60-67	Gobo 8 Laser Line	
	68-74	Gobo 9 Dotted Laser Line	
	75-82	Gobo 10 Laser Cross	
	83-89	Gobo 11 Square	
	90-97	Gobo 12 Cloud	
	98-104	Gobo 13 Bent Tadpoles	
	105-112	Gobo 14 Circle in Segments	
	113-119	Gobo 15 Star	
	120-126	Gobo 16 Multiple Stars	
	127-133	Gobo 17 Tadpoles	
	134-194	Gobo Wheel Rotation Fast - Slow	
	195-255	Gobo Wheel Anticlockwise Rotation Slow - Fast	
9		**Pattern Macro**	Pattern Macros
	0-8	No Function	
	9-16	Pattern Macro 1	
	17-25	Pattern Macro 2	
	26-33	Pattern Macro 3	
	34-42	Pattern Macro 4	
	43-50	Pattern Macro 5	
	51-59	Pattern Macro 6	
	60-67	Pattern Macro 7	
	68-76	Pattern Macro 8	
	77-84	Pattern Macro 9	
	85-93	Pattern Macro 10	
	94-101	Pattern Macro 11	
	102-110	Pattern Macro 12	
	111-118	Pattern Macro 13	
	119-127	Pattern Macro 14	
	128-135	Pattern Macro 15	
	136-144	Pattern Macro 16	
	145-152	Pattern Macro 17	
	153-161	Pattern Macro 18	
	162-169	Pattern Macro 19	
	170-178	Pattern Macro 20	

Channel	DMX Value		
	179-186	Pattern Macro 21	
	187-195	Pattern Macro 22	
	196-203	Pattern Macro 23	
	204-212	Pattern Macro 24	
	213-220	Pattern Macro 25	
	221-229	Pattern Macro 26	
	230-237	Pattern Macro 27	
	238-246	Pattern Macro 28	
	247-255	Pattern Macro 29	
10		**Pattern Rotation**	Pattern Rotation Clockwise & Anticlockwise
	0-9	No Function - Stop	
	10-120	Clockwise Pattern Rotation Fast - Slow	
	121-134	No Function - Stop	
	135-245	Anticlockwise Pattern Rotation Slow - Fast	
	246-255	No Function - Stop	
11		**Pattern Horizontal / Vertical Rotation**	Pattern Rotation Horizontal & Vertical
	0-9	No Function - Stop	
	10-120	Horizontal Pattern Rotation	
	121-134	No Function - Stop	
	135-245	Vertical Pattern Rotation	
	246-255	No Function - Stop	
12		**Pattern Zoom**	Pattern Zoom
	0-127	Pattern Zoom Manual	
	128-255	Pattern Zoom Slow - Fast	
13		**Pattern Horizontal Movement**	Pattern Movement Horizontal
	0-9	No Function - Stop	
	10-120	Horizontal Pattern Movement Left	
	121-144	No Function - Stop	
	145-255	Horizontal Pattern Movement Right	
14		**Pattern Vertical Movement**	Pattern Movement Vertical
	0-9	No Function - Stop	
	10-120	Vertical Pattern Movement Up	
	121-144	No Function - Stop	
	145-255	Vertical Pattern Movement Down	
15		**Beam Rotation**	Beam Rotation
	0-127	0 to 360 Degree	
	128-191	Clockwise Rotation Fast - Slow	
	192-255	Anticlockwise Rotation Slow - Fast	
16		**Beam Shaking**	Beam Shake
	0-7	No Function - Stop	
	8-255	Shaking Slow - Fast	
17	0-255	Prism Movement	Prism

Channel	DMX Value		
18		**Prism Rotation**	Prism Rotation
	0-127	Prism Indexing	
	128-191	Prism Clockwise Rotation Fast - Slow	
	192-255	Prism Anticlockwise Rotation Slow - Fast	
19	0-255	Dimmer Intensity 0 - 100%	Dimmer
20		**Shutter**	Shutter (Strobe)
	0-7	No Function	
	8-255	Shutter (Strobe) Slow - Fast	
21		**Functions**	Functions & Reset
	0-39	No Function	
	40-59	Lamp On	
	60-79	Lamp Off	
	80-89	All Motors Reset	
	90-99	Pan/Tilt Motors Reset	
	100-109	Colour Motor Reset	
	110-119	Gobo Motor Reset	
	120-129	Shutter & Dimmer Reset	
	130-139	Other Motors Reset	
	140-149	Enable Blackout while Pan/Tilt Movement	
	150-159	Disable Blackout while Pan/Tilt Movement	
	160-169	Enable Blackout while Colour Change	
	170-179	Disable Blackout while Colour Change	
	180-189	Enable Blackout while Gobo Change	
	190-199	Disable Blackout while Gobo Change	
	200-219	System Reset	
	220-255	No Function	

6.2 Colour & Gobo Reference



7. Maintaining and Cleaning the Light

There are NO user servicable internal parts, disassembly VOIDs the warrantee and should NOT be attempted.

The light is a fixture of very low maintenance. It is only necessary to clean the air inlets and outlets as well as the optical lenses from time to time. For safe operation it is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not build up on, or within the fixture. Otherwise the fixture's light-output will be significantly reduced or damage can occur. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to operate reliably throughout its life.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

plug!

7.1. Safety regulations

1. **Pull out the mains power**
2. Wait min. 15 minutes after disconnecting power to allow the fixture to cool down.

7.2. Maintenance and Interval (rule-of-thumb)

The contamination of the fixture depends on the environment details. Hence no general guidelines can be given. The intervals given below are only suggestions from our experience.

Position	Interval	Maintenance
Optical System	Weekley	Soft Brush / Lint-free cloth
Fan & Air Channels	Monthly	Vacuum Cleaner, Airbrush etc

Attention:

1 Never let optical parts come into contact with oil or fat.
2 Before running the fixture wait until all parts are dry.
3 Never touch lenses with bare fingers.

8. Technical Specifications

FEATURES
Multi Effect Luminaire, Beam, Scanner, Laser Simulator
3° Precision Beam
3 Facet Rotating Prism
X / Y and Z High-Speed Mirror System

SOURCE
YODN 132W 2R Lamp
6,000 Hour Average Life

PHOTOMETRIC DATA
Measured with 3° Beam Full On
45,010 LUX 4,181 FC @16.4’ (5m)
12,050 LUX 1,119 FC @32.8’ (10m)
5,633 LUX 523 FC @49.2’ (15m)
3,178 LUX 295 FC @65.6’ (20m)
2,276 LUX 212 FC @82.0’ (25m)

EFFECTS
Strobe
Electronic Dimmer
3 Facet Rotating Prism
Multiple Pattern Macros
Manual Focus

COLOURS & **GOBOS**
(14) Dichroic Colours + White
(17) Gobos + Open

CONTROL / CONNECTIONS
(2) DMX Channel Modes (17 / 21)
4 Button Control Panel
3 pin DMX In & Out
Powercon Mains In & Out

SIZE / WEIGHT
Size: 385 x 305 x 260 mm
Weight: 7.5KG

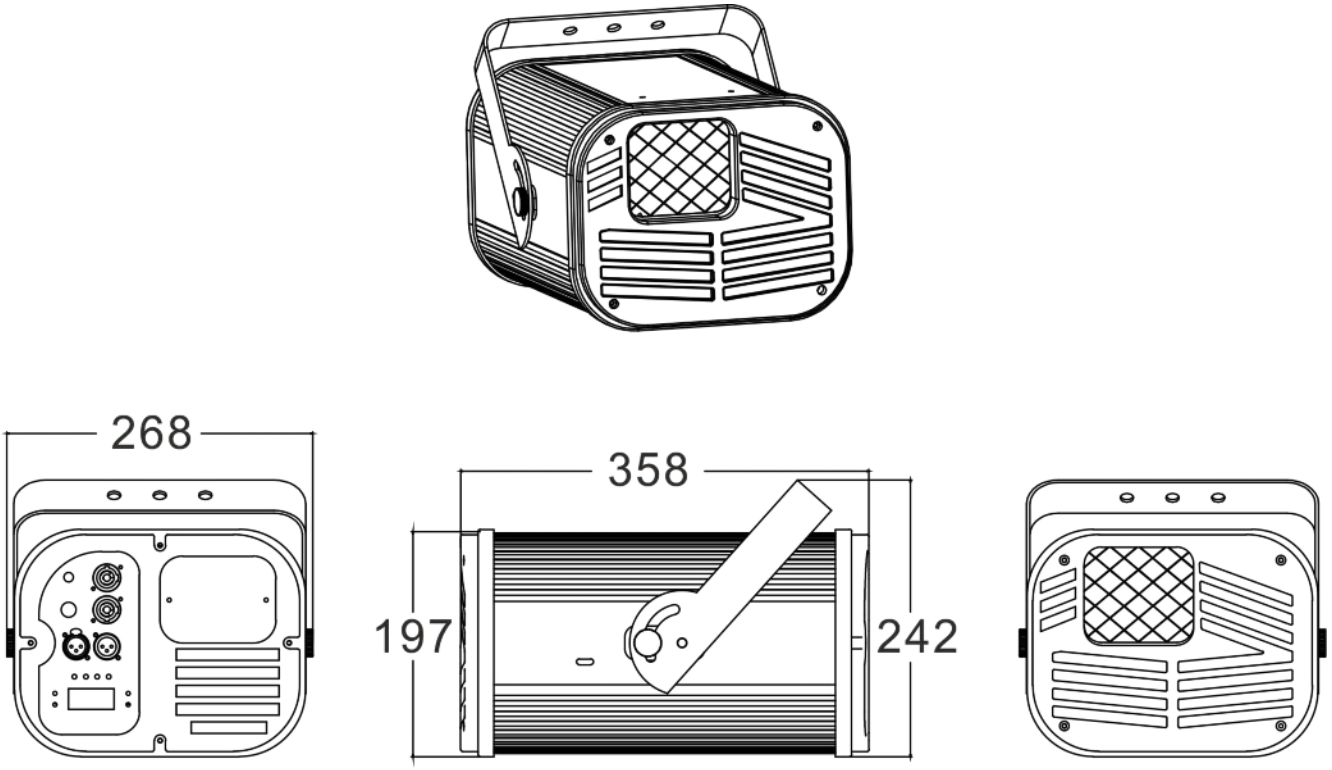
ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
220W Max Power Consumption
Multiple Unit Power Linking (max 7 @120V / 14 @230V)
104°F (40°C) Max Ambient Temperature

APPROVALS / RATINGS
CE
RoHs
IP20

INSTALLATION
Rigging: Clamps (Not Included)
Working Position: Any (360°)

INCLUDED ITEMS
(1) Adjustable Mounting Yoke
(1) PowerCON Cable with 13a plugtop

9. Dimensions



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